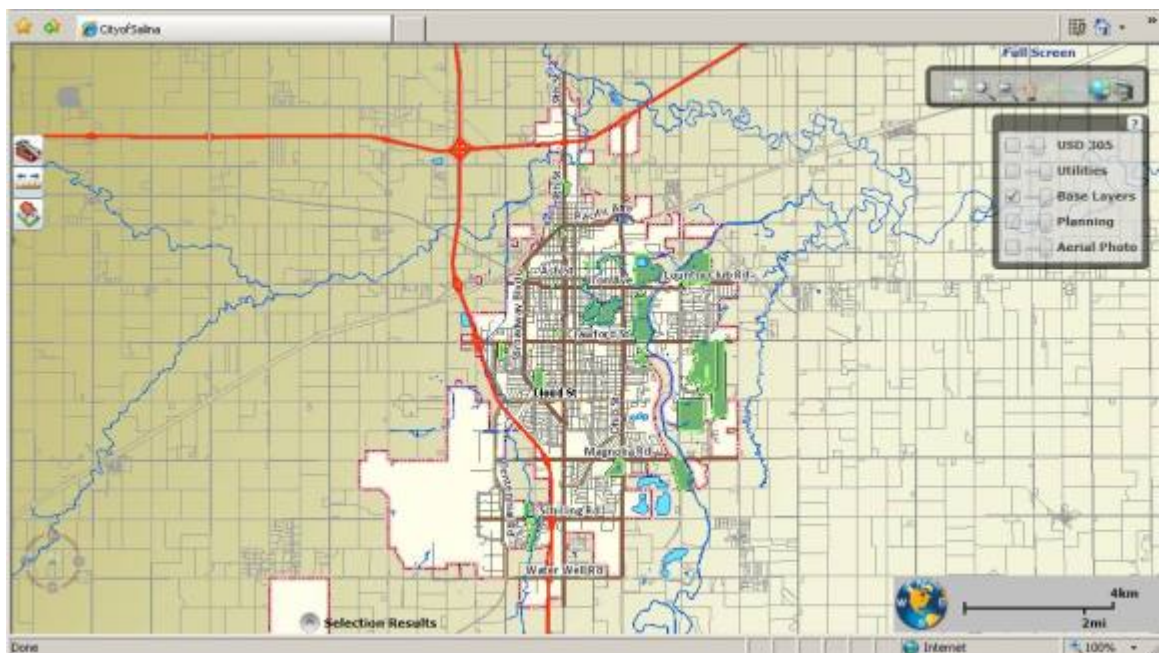


Property Mapping



Quick Start Guide



December 6, 2011

Background

In 2003 the City of Salina created a web based mapping site to afford greater public access to our growing volume of data contained in our Geographic Information System (GIS). The website provides information such as parcel (ownership) data, aerial photography and utilities. The data is updated regularly.

The website remained essentially unchanged but the technology world did not and the technology behind this site (and the server it resides on) will no longer be supported by the industry. This led the City of Salina to undertake development of a new site based on current technology called Silverlight.

Silverlight is a plug-in provided by Microsoft similar to the way Flash is provided by Adobe. In order to use our new site you will be required to install the Silverlight plug-in, if you do not have it, you will be prompted to install it when you initially load any of our mapping sites. Using the new technology we will be able to create many more custom tools for you to use.

This document will attempt to provide a quick overview of the tools and functionality included with our site. The site will be under a constant state of review and construction as our staff has time to enhance its functionality.

We would also suggest, if you get stuck, **please try the underlined links in this document or the help available online by clicking the question marks “?”** when you see them. Please feel free to contact us if you need help or if you have suggestions.

The easiest way is to email me:

keith.ganzenmuller@salina.org

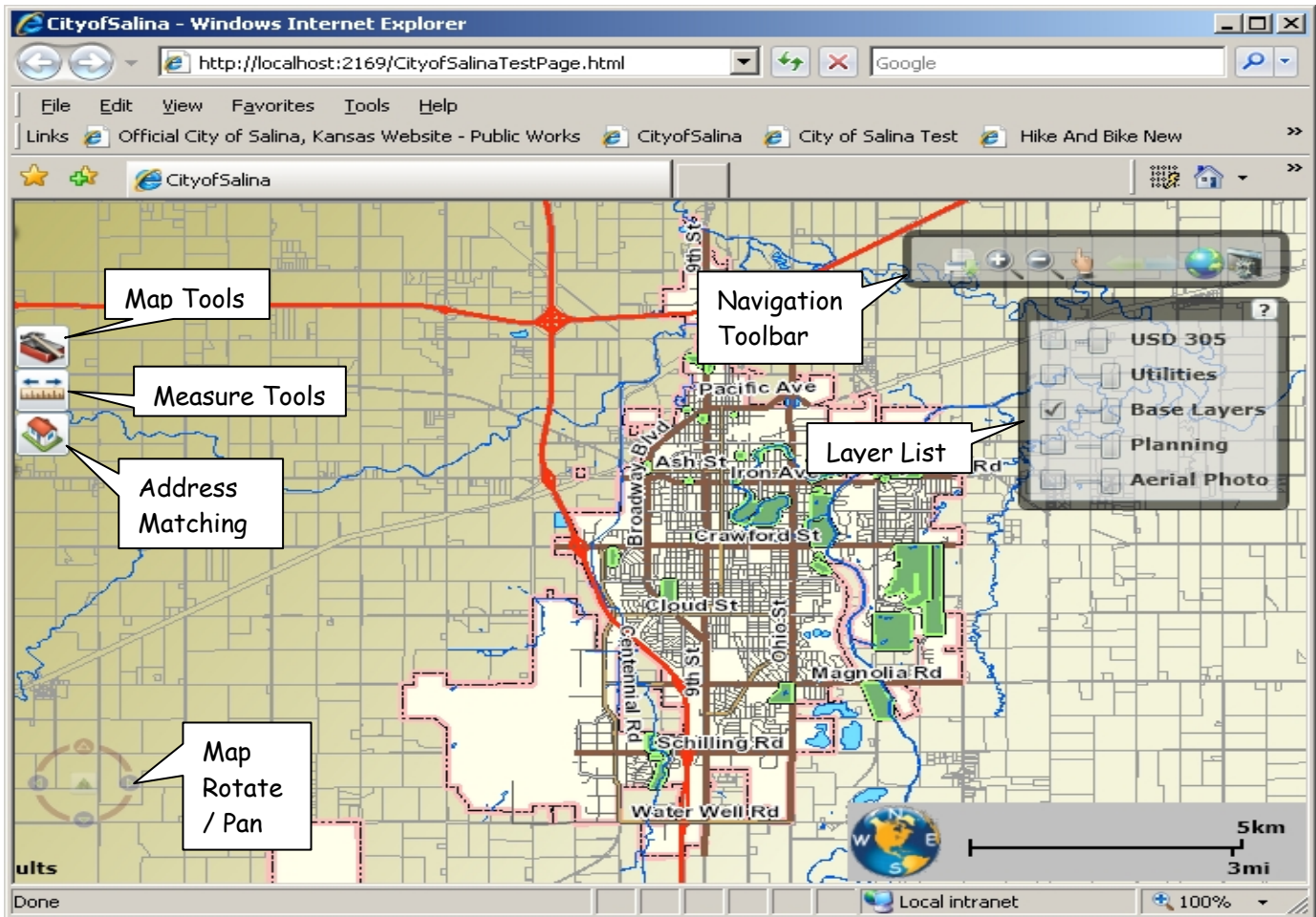
Or by phone:

City of Salina

Public Works Department

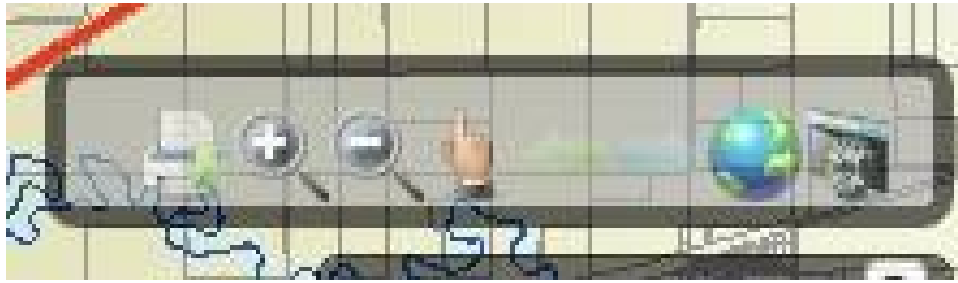
(785) 309-5725

Main View



The view has the following main elements:

- Navigation Toolbar - Provides tools to Export the Map, Zoom In & Zoom Out, Pan, Zoom to Full Extent and Full Screen.
- Layer List - Displays and allows interaction with the Map Layers. Layers are groups of features. Using this list you can turn layers on and off plus set their transparency.
- Map Tools - Provides tools for Identifying features on the map and displaying their attributes.
- Measure Tools - Provides the ability to measure areas or lines on the map.
- Address Matching - The Address Matching tools allow you to search for and zoom to addresses or intersections.
- Map Rotate/Pan - Grab the ring (left click and hold) to rotate the map, click the buttons to reset to north or pan the map.

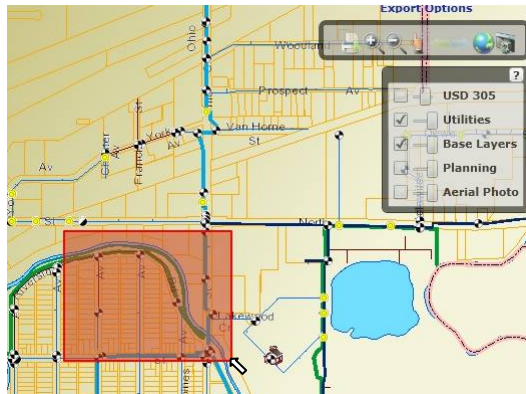


[Zoom In Tool](#)



[Zoom Out Tool](#)

Click the tool then left click and hold on the map. Drag a box around the area to which you wish to zoom. As you drag the box you should see a red outline like below. When you release the left button the map will zoom in or out depending on the tool you selected.



[Pan Tool](#)

Select this tool to drag the map in any direction. To use it, click the tool then left click and hold on the map. While holding down the left button move the mouse and drag the map. Release the left button and the map will redraw.



Full Extent - Click this button to zoom the map back out to the original extent

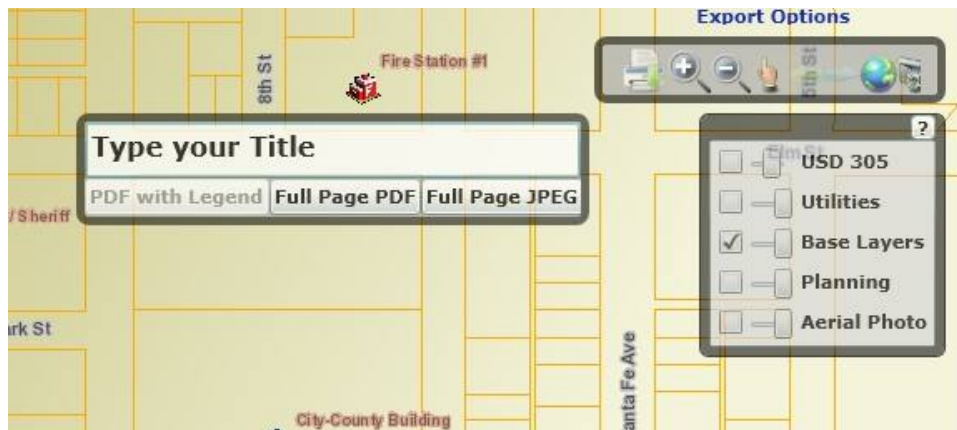


Full Screen - Click this button to expand the window to the full extent of your monitor



Export - Use this button to export the current map view to a PDF or JPG image. You have the option of exporting to a full page PDF, a PDF with a legend, or a JPG. The PDF with legend only works if the sub-layer legend is displayed. The JPG works great for inserting the map in another document. When you click the Export Button a new toolbar will slide out as shown on the following page.

Export the map

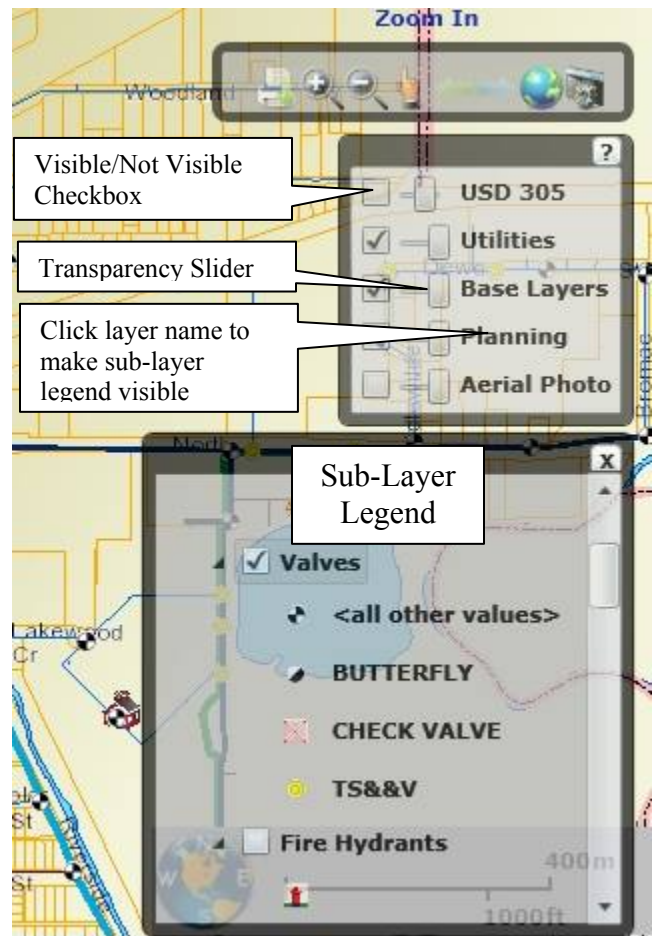


For PDF documents you can type a title in the textbox, the title will appear on your exported map. To complete the export click one of the three buttons (PDF with Legend, Full Page PDF or Full Page JPEG). Again, the PDF with legend takes its symbology from the Sub-Layer legend and will only be enabled if a legend is made visible (See Map Layers and Sub-Layers below)

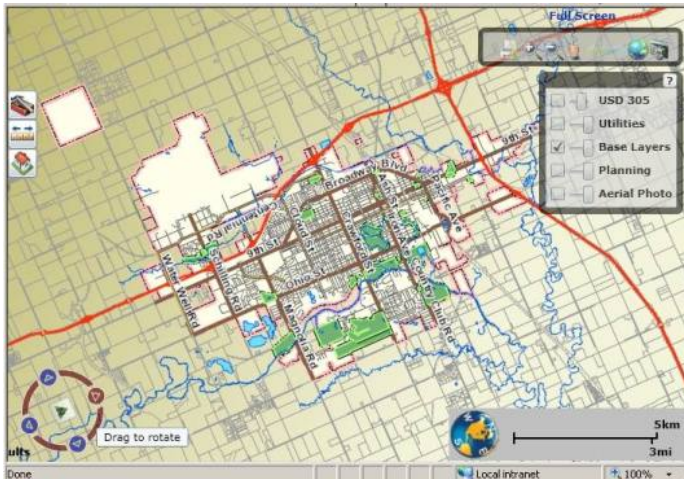
Map Layers and Sub-Layers

The map is drawn using a series of layers, each layer is composed of one or more sub-layers. The available layers are shown in a list box at start up. A Map Layer (also known as a Map Service) is a way to logically group and display related layers. Not all the sub-layers contained in a Map Layer are visible by default, to turn on or off the individual sub-layers follow the steps below:

- [Turn On or Off](#) the display of a Map Layer by checking or un-checking the box to the left of it's name.
- You can set the transparency of a layer by using the [Transparency Slider](#).
- To [display the sub-layers](#) associated with a Map Layer, click the map layer name in the list box.
- The Sub-Layer Legend displays the individual feature layers which are grouped to form the main Map Layers. When the legend is displayed by clicking the layer name, the legend appears displaying the symbology. You can now control display of the sub-layers individually.
- Use the scroll bar to see all the sub-layers contained within the Map Layer.




Navigation Control



The Navigation Control appears at the lower left corner of the map. The outer ring is used to rotate the map. The buttons on the ring are used to Pan (shift) the map in the particular (N, S, E, W) direction and the middle button resets north to the top of your browser.

- To rotate the map, left click and hold on the ring. Drag the ring in the direction of desired rotation.
- To Pan the map, click the Pan buttons
- To reset the Map so north is up, click the center button.

Measure Tools

The measure tools are a quick way to determine distances or areas by clicking on the map. To display the measure tools click the  button on the left side of the page. Use the top button to [measure a line](#), the bottom button to [measure an area](#) or the middle button to display help information, including video.

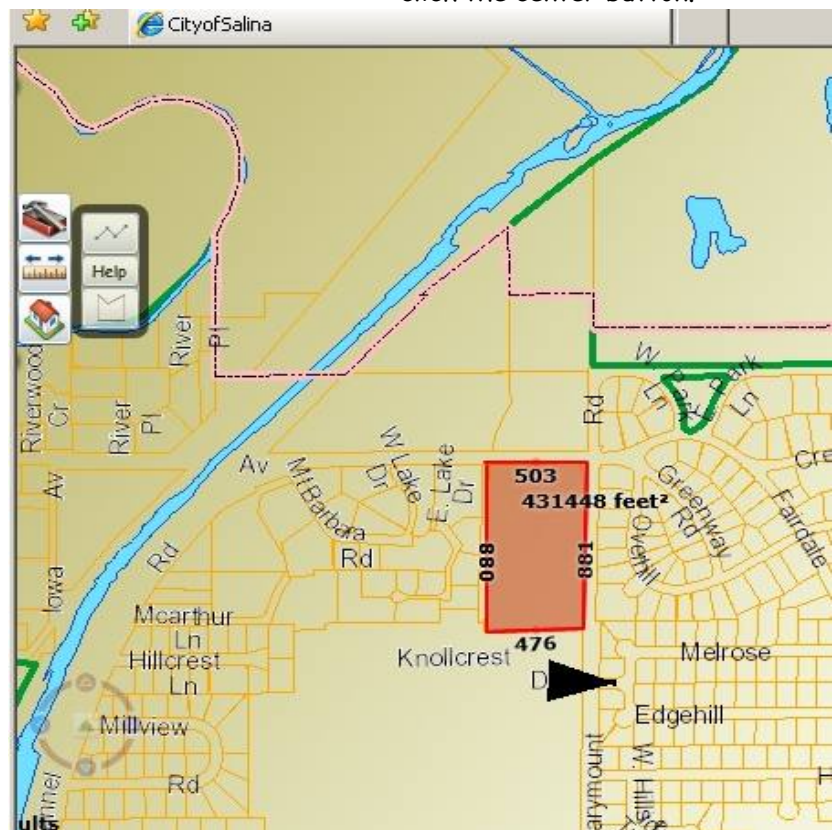
Both measure operations (area or line) are similar so we will discuss area measurement here.

To measure an area:

Click the Measure Area tool and then click on the first corner of the location you wish to measure. Continue around single-clicking the corners of the area you wish to measure.

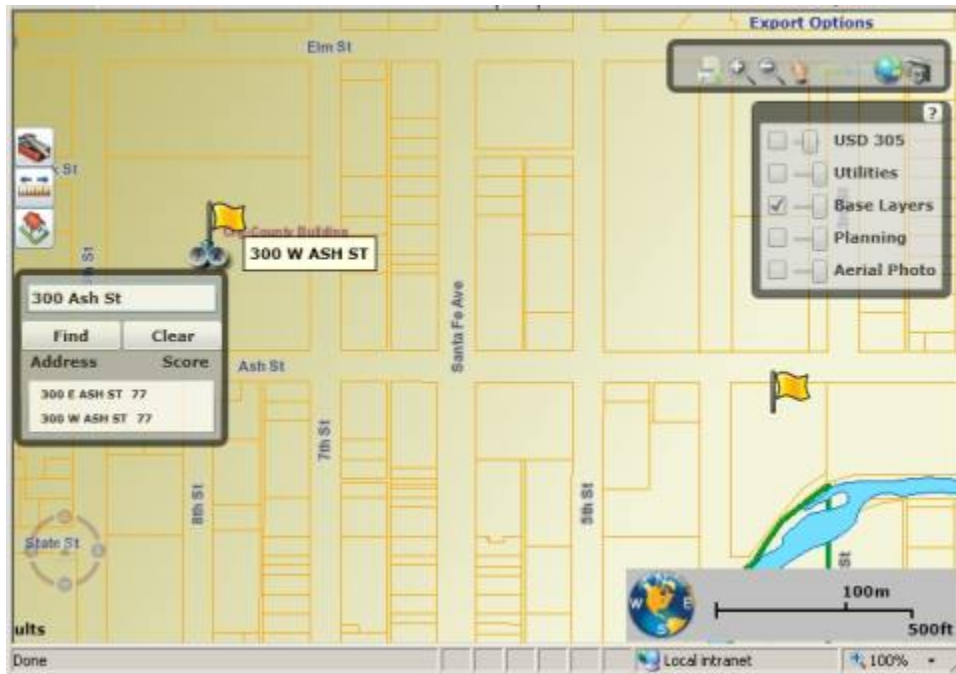
The area measure is continually updated.

When done, double-click the map.




Finding Addresses and Intersections


The website allows you to search for a particular address or the intersection of two streets. After you hit enter or click find, a list box will appear if the address matching service finds one or more possible matches.



To search for [addresses](#) or [intersections](#):

- Click  on the left side of the page.
- In the textbox type an address in the format of "300 Ash St" or an intersection in the format of "9th St / Broadway", for an intersection be careful to leave spaces on both sides of the "/".
- Click Find or hit Enter in the text box
- If the service finds matches they will appear in the list box below the address you typed. All of the possible matches will be listed along with their score. The score indicates how closely what you typed matches the found candidate.
- Flags will also be placed on the map at the locations of the candidates.
- Click the candidate address in the list box to zoom to that location.

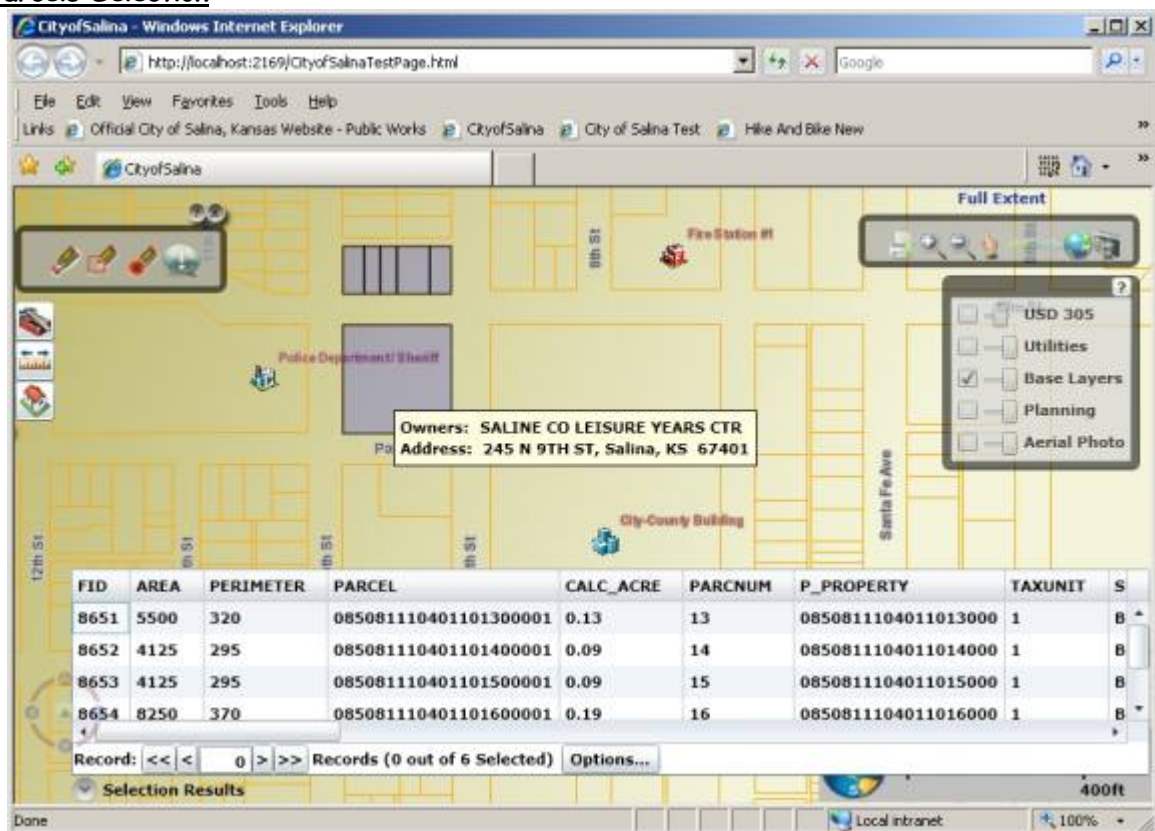
Map Tools (Selection and Identify)

The Map Tools toolbar contains tools for selecting features on the map or identifying individual features in any of the Map Services (Layers). To display the toolbar click  on the left side of the page. The tool bar looks as follows:



The first three tools deal with selecting and clearing features within the parcels sub-layer. The fourth tool is for identifying features in any of the map services.

Parcels Selection




Owners: SALINE CO LEISURE YEARS CTR
Address: 245 N 9TH ST, Salina, KS 67401

FID	AREA	PERIMETER	PARCEL	CALC_ACRE	PARCNUM	P_PROPERTY	TAXUNIT	S
8651	5500	320	085081110401101300001	0.13	13	0850811104011013000	1	B
8652	4125	295	085081110401101400001	0.09	14	0850811104011014000	1	B
8653	4125	295	085081110401101500001	0.09	15	0850811104011015000	1	B
8654	8250	370	085081110401101600001	0.19	16	0850811104011016000	1	B

Record: << < 0 > >> Records (0 out of 6 Selected) Options...

Selection Results

The selection tools (point or rectangle) are very similar so we will discuss only selection using a rectangle.

- Zoom the map to the desired location.
- Click the [Select By Rectangle](#) Tool
- Draw a box around the Parcels you wish to select.
- The selected parcels are highlighted on the map and the attributes appear in the data table.
- Hover over the selected parcels in the map to see the owner, click a row in the table and it will be highlighted in the map view.
- Click the Clear Selection  button to remove the selection from the map and the table.

CityofSalina - Windows Internet Explorer

http://70.167.136.51/CityofSalina/

File Edit View Favorites Tools Help

Links Official City of Salina, Kansas Website - Public Works CityofSalina - External City of Salina Internal Hike And Bike New New Data Disclaimer

CityofSalina

The screenshot shows a web application interface for the City of Salina. It features a map with a red line and a table of property records. A context menu is open over the table, showing options like 'Clear Selection', 'Export To Text File', 'Export Selection', 'Switch Se', 'Select All', 'Zoom To Selection', 'Remove Selected Row(s)', and 'Auto Zoom to Selected'. The table has columns for FID, AREA, PERIMETER, and PARCEL. The 'Export Selection' option is highlighted, and a sub-menu is visible showing 'Export Selected Records to a comma delimited file'.

FID	AREA	PERIMETER	PARCEL
2098	1079255.54058	4849.47157916	0850830600000000
2099	648414.543039	3590.15436539	0850830600000000
2101	37623.0428893	784.015425234	0850830500000000
2102	47289.6817963	887.285346056	0850820400000000


Record: << < 3 > >> Records (3 out of 40 Selected)

Selection Results

Done

- Select records from the table by clicking on the row, the property will be highlighted in the map.
- Select multiple records or remove records by holding shift while clicking rows.
- You can export the information for the selected rows by choosing "Options...", and either Export Selection for comma delimited (Excel) or Export to Text File for plain text.

Identify Features

Using the Identify Tool  it is possible to learn information about individual features displayed on the map, for instance who owns a parcel or what is the size of a waterline.

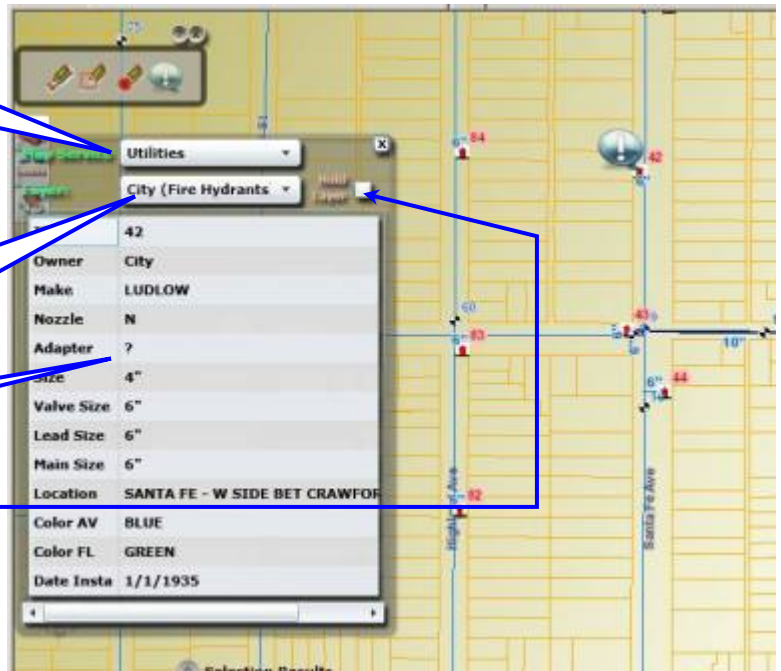
Choose the Map Service that contains the features for which you need information.

Click the location on the map.

After you identify on the Map Service you have chosen, pick the Feature from the drop down box.

Read the retrieved information.

If you wish to lock in a particular sub-layer so you don't have to choose each time, check this box. In other words, if you want to identify multiple Parcels, select Parcels and check the box.



[Identify a Parcel](#)

[Identify a School](#)

Those are the basic functions of our new web page. We are constantly adding new functionality so stay tuned.

Coming Soon:

Save information from the Identify window to your clipboard